

Site: Linwood Mining  
ID #: 18098052299  
Break: 103  
Other: 12-11-89

DEC 11 1989

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

Mr. Joe Umthun  
Umthun Trucking  
Eagle Grove, Iowa 50533

Dear Mr Umthun:

Enclosed is a copy of the Data Reporting/ Qualification Codes sheet, field sheets, and the analytical results for the soil and water samples taken from your property at the time of the inspection of the Umthun Trucking site. The samples were collected during May 1989 by Ecology and Environment, a contractor for the U.S. Environmental Protection Agency (EPA).

No contaminants were detected in the water sample at levels exceeding relevant health or aesthetic criteria. In addition, no contaminants were detected at significant levels in the soil sample taken from your property.

This information is forwarded to you in accordance with the provisions of Section 3007(a) of the Resource Conservation and Recovery Act of 1976 (RCRA) as amended, and Section 104(e)(4)(B) of the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) as amended. If you have any questions regarding these analytical data, please contact Pete Culver of my staff at (913) 236-2856.

Sincerely yours,

Robert L. Morby  
Chief, Superfund Branch  
Waste Management Division

Enclosure

cc: Pete Hamlin, IDNR (with enclosure)  
Darrell McAllister, IDNR (with enclosure)

bcc: Ralph Langemeier, WATR (w/enclosure)  
Craig Smith, IOWA/RCRA (w/enclosure)



WSTM:SPFD:PREP:CULVER:final:bh:11/30/89:Disk #4:umthumth.dat

PREP  
CULVER

ATSDR  
HARPER

PREP DRNK  
FUERST LANGEMEIER

SPFD  
MORBY

*Culver*  
11/30/89

*Harper*  
11-31-89

*Fuerst*  
12-1-89

*Langemeier*  
12/7/89

*KAT*  
*for RLM*  
12/10/89

DATA REPORTING / QUALIFICATION CODES

- U - The material was analyzed for, but was not detected. The associated numerical value is the sample detection limit.
- J - The associated numerical value is an estimated quantity (explanation attached).
- I - The data are invalid (compound may or may not be present). Resampling and/or reanalysis is necessary for verification.
- N - Sample not analyzed.

CODES FOR FLASH POINT DATA

- L - The sample did not ignite or "flash". This is the highest temperature at which the sample was tested. It is possible that the material may be ignitable at higher temperatures.
- K - The sample did ignite or "flash" at the lowest temperature tested. This is usually the ambient temperature at the time of the test. It is possible that the material may be ignitable at even lower temperatures.

Umthun Trucking  
003 - water , 037-Soil  
Joe Umthun

UMTH UMTA.

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: Site Name: UMTHUN TRUCKING           Site Number:
: Location: BUFFALO IA                 Site Code:

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Collected: YR: 89 MO: 5 Day: 23 Time: 1110 Leader: WES MCCALL

Sample Number: DC943003 SMD #:

Sample Media (circle one):  
SOIL, DUST, RINSATE, SEDIMENT, WATER, OTHER: \_\_\_\_\_

Sample Split (circle one): YES NO

Sample Container	Tag Color	Preservative	Analysis Requested
1	1	1	1
2	2	2	2
3	3	3	3
4	4	4	4
5	5	5	5
6	6	6	6
7	7	7	7
8	8	8	8
9	9	9	9
10	10	10	10
11	11	11	11
12	12	12	12
13	13	13	13
14	14	14	14
15	15	15	15
16	16	16	16
17	17	17	17
18	18	18	18
19	19	19	19
20	20	20	20
21	21	21	21
22	22	22	22
23	23	23	23
24	24	24	24
25	25	25	25
26	26	26	26
27	27	27	27
28	28	28	28
29	29	29	29
30	30	30	30
31	31	31	31
32	32	32	32
33	33	33	33
34	34	34	34
35	35	35	35
36	36	36	36
37	37	37	37
38	38	38	38
39	39	39	39
40	40	40	40
41	41	41	41
42	42	42	42
43	43	43	43
44	44	44	44
45	45	45	45
46	46	46	46
47	47	47	47
48	48	48	48
49	49	49	49
50	50	50	50
51	51	51	51
52	52	52	52
53	53	53	53
54	54	54	54
55	55	55	55
56	56	56	56
57	57	57	57
58	58	58	58
59	59	59	59
60	60	60	60
61	61	61	61
62	62	62	62
63	63	63	63
64	64	64	64
65	65	65	65
66	66	66	66
67	67	67	67
68	68	68	68
69	69	69	69
70	70	70	70
71	71	71	71
72	72	72	72
73	73	73	73
74	74	74	74
75	75	75	75
76	76	76	76
77	77	77	77
78	78	78	78
79	79	79	79
80	80	80	80
81	81	81	81
82	82	82	82
83	83	83	83
84	84	84	84
85	85	85	85
86	86	86	86
87	87	87	87
88	88	88	88
89	89	89	89
90	90	90	90
91	91	91	91
92	92	92	92
93	93	93	93
94	94	94	94
95	95	95	95
96	96	96	96
97	97	97	97
98	98	98	98
99	99	99	99
100	100	100	100

:	CUBITAINER	:	:	HND3/4 C	:	TOTAL METALS	:
:	<del>CUBITAINER</del>	:	:	<del>HND3/4 C</del>	:	<del>DISSOLVED METAL</del>	:
:	1 GAL.AMBER	:	:	4 C	:	SULFATE	:
:	1 GAL.AMBER	:	:	4 C	:	CHLORIDE	:

Depth: 300' Fan #: \_\_\_\_\_ Aliquots: \_\_\_\_\_  
Samplers: G. Hays  
R. Parsons

Site Description: Anthrax well  
pH = 7.63  
Temp. = 25°C  
Cond. = 500  $\mu\text{mhos}$

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: Site Name: UMTHUN TRUCKING      Site Number:
: Location: BUFFALO IA           Site Code:

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Collected: YR: 89 MO: 5 Day: 23 Time: 1110 Leader: WES MCCALL

Sample Number: DC9430037 SMO #:

Sample Media (circle one):  
SOIL, DUST, RINSATE, SEDIMENT, WATER, OTHER: \_\_\_\_\_

Sample Split (circle one): YES NO

Sample Container	Tag Color	Preservative	Analysis Requested
1	1	1	1
2	2	2	2
3	3	3	3
4	4	4	4
5	5	5	5
6	6	6	6
7	7	7	7
8	8	8	8
9	9	9	9
10	10	10	10
11	11	11	11
12	12	12	12
13	13	13	13
14	14	14	14
15	15	15	15
16	16	16	16
17	17	17	17
18	18	18	18
19	19	19	19
20	20	20	20
21	21	21	21
22	22	22	22
23	23	23	23
24	24	24	24
25	25	25	25
26	26	26	26
27	27	27	27
28	28	28	28
29	29	29	29
30	30	30	30
31	31	31	31
32	32	32	32
33	33	33	33
34	34	34	34
35	35	35	35
36	36	36	36
37	37	37	37
38	38	38	38
39	39	39	39
40	40	40	40
41	41	41	41
42	42	42	42
43	43	43	43
44	44	44	44
45	45	45	45
46	46	46	46
47	47	47	47
48	48	48	48
49	49	49	49
50	50	50	50
51	51	51	51
52	52	52	52
53	53	53	53
54	54	54	54
55	55	55	55
56	56	56	56
57	57	57	57
58	58	58	58
59	59	59	59
60	60	60	60
61	61	61	61
62	62	62	62
63	63	63	63
64	64	64	64
65	65	65	65
66	66	66	66
67	67	67	67
68	68	68	68
69	69	69	69
70	70	70	70
71	71	71	71
72	72	72	72
73	73	73	73
74	74	74	74
75	75	75	75
76	76	76	76
77	77	77	77
78	78	78	78
79	79	79	79
80	80	80	80
81	81	81	81
82	82	82	82
83	83	83	83
84	84	84	84
85	85	85	85
86	86	86	86
87	87	87	87
88	88	88	88
89	89	89	89
90	90	90	90
91	91	91	91
92	92	92	92
93	93	93	93
94	94	94	94
95	95	95	95
96	96	96	96
97	97	97	97
98	98	98	98
99	99	99	99
100	100	100	100

[illegible]

Depth: 0-6" Pan #: \_\_\_\_\_ Aliquots: 4  
Samplers: G. Hays  
R. Parsons

Site Description: Northern Well 50' North

## ANALYSIS TYPE: METALS, TOTAL

TITLE: UMTUM TRUCKING

MATRIX: WATER

UNITS: UG/L

LAB: NANCO

METHOD: 9001W71

CASE: 12127

SAMPLE PREP: \_\_\_\_\_

ANALYST/ENTRY: PLC REVIEWER: \_\_\_\_\_

DATE: 08/25/89

REVIEW LEVEL: 2

DATA FILE : P55

## SAMPLES

DC943003

ALUMINUM	200 U
ANTIMONY	60 U
ARSENIC	10 U
BARIUM	89 J
BERYLLIUM	5.0 U
CADMIUM	5.0 U
CALCIUM	77000
CHROMIUM	28 J
COBALT	50 U
COPPER	13 J
IRON	160 U
LEAD	5.0 U
MAGNESIUM	31000
MANGANESE	4.0 J
MERCURY	0.20 U
NICKEL	8.0 J
POTASSIUM	1700 J
SELENIUM	5.0 U
SILVER	10 U
SODIUM	14000
THALLIUM	10 U
VANADIUM	50 U
ZINC	160
CYANIDE	N

MODIFIED DATA

# ANALYSIS TYPE: METALS, TOTAL

TITLE: UMTNUM TRUCKING

LAB: NANCO

SAMPLE PREP: \_\_\_\_\_

REVIEW LEVEL: 2

MATRIX: SEDIMENT

METHOD: 9001W71

ANALYST/ENTRY: PLC REVIEWER: PLC

DATA FILE : P56

UNITS: MG/KG

CASE: 12127

DATE: 08/25/89

## SAMPLES

DC943037

ALUMINUM	10000
ANTIMONY	13 J
ARSENIC	5.0 J
BARIUM	110
BERYLLIUM	1.4
CADMIUM	0.45 J
CALCIUM	38000
CHROMIUM	16
COBALT	6.8 J
COPPER	5.7 U
IRON	15000
LEAD	14
MAGNESIUM	2500
MANGANESE	790 J
MERCURY	0.11 U
NICKEL	16
POTASSIUM	1900 U
SELENIUM	0.41 J
SILVER	2.3 U
SODIUM	1100 U
THALLIUM	0.18 J
VANADIUM	28 U
ZINC	76 U
CYANIDE	N

MODIFIED DATA

## ANALYSIS TYPE: EP TOXICITY METALS

TITLE: UMTUM TRUCKING

LAB: SILVER VALLEY

SAMPLE PREP: \_\_\_\_\_

REVIEW LEVEL: 2

MATRIX: WATER

METHOD: 9001W71

ANALYST/ENTRY: PLC REVIEWER: 2-cox

DATA FILE : P07

UNITS: UG/L

CASE: 4740G

DATE: 08/15/89

## SAMPLES

DC943037

ALUMINUM	120 J
ANTIMONY	60 U
ARSENIC	100 U
BARIUM	760
BERYLLIUM	5.0 U
CADMIUM	5.0 U
CALCIUM	1200000
CHROMIUM	10 U
COBALT	50 U
COPPER	25 U
IRON	100 U
LEAD	5.0 U
MAGNESIUM	25000
MANGANESE	4300
MERCURY	0.20 U
NICKEL	40 U
POTASSIUM	12000
SELENIUM	50 U
SILVER	10 U
SODIUM	790 J
THALLIUM	1.2 J
VANADIUM	4.1 J
ZINC	30
CYANIDE	N

ANALYSIS TYPE: SULFATE BY ANION SCAN

TITLE: UMTUM TRUCKING

MATRIX: WATER

UNITS: MG/L

LAB: SILVER VALLEY

METHOD: 3001WOO

CASE: 4740G

SAMPLE PREP: \_\_\_\_\_ ANALYST/ENTRY: PLC REVIEWER: DCX

DATE: 08/03/89

REVIEW LEVEL: 2

DATA FILE : P83

SAMPLE NO.	RESULT
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DC943003	21.8
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ANALYSIS TYPE: CHLORIDE BY ANION SCAN

TITLE: UMTHUM TRUCKING

MATRIX: WATER

UNITS: MG/L

LAB: SILVER VALLEY

METHOD: 3001W00

CASE: 4740G

SAMPLE PREP: \_\_\_\_\_ ANALYST/ENTRY: PLC REVIEWER: 262x

DATE: 08/03/89

REVIEW LEVEL: 2

DATA FILE : P82

SAMPLE NO.

RESULT

DC943003

1.01

ANALYSIS TYPE: SULFIDE

TITLE: UMTUM TRUCKING  
LAB: SILVER VALLEY

MATRIX: SEDIMENT  
METHOD: 3761W01

UNITS: MG/KG  
CASE: 4740G  
DATE: 08/04/89

SAMPLE PREP: \_\_\_\_\_ ANALYST/ENTRY: PLC REVIEWER: P. Cox  
REVIEW LEVEL: 2 DATA FILE : P84

SAMPLE NO.	RESULT
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DC943037	10.6
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